

Title (en)
NEW CENTRALLY ACTING 6,7,8,9-TETRAHYDRO-3H-BENZ(e)INDOLE HETEROCYCLICS

Title (de)
6,7,8,9-TETRAHYDRO-3H-BENZ(E)INDOLHETEROCYCLLEN MIT WIRKUNG AUF DAS ZENTRALE NERVENSYSTEM

Title (fr)
NOUVEAUX COMPOSES HETEROCYCLIQUES DE 6,7,8,9-TETRAHYDRO-3H-BENZ(e)INDOLE AGISSANT SUR LE SYSTEME NERVEUX CENTRAL

Publication
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Application
EP 91902598 A 19910108

Priority
• US 46412690 A 19900111
• US 9100018 W 19910108

Abstract (en)
[origin: US5461061A] A compound of Formula I <IMAGE> or pharmaceutically acceptable salts of Formula I, where R1 is H, C1-C3 alkyl, - (CH2)nCONH2 where n is 2 to 6, (CH2)n-1-(4,4-dimethylpiperidine-2,6-dione-yl), or cyclopropylmethyl; R2 is hydrogen, C1-C8 alkyl, C3-C8 cycloalkyl or combined with R1 to form a C3-C8 cycloalkyl, C2-C8 alkenyl, C2-C8 alkynyl, (CH2)n-X-Ar where X is O, S, or NH, 3,3,3-trifluoropropyl, -(CH2)m-R9 where m is 2 or 3 and R9 is phenyl, 2-thiophenyl or 3-thiophenyl; R3 is hydrogen, C1-C3 alkyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoropropyl, formyl, CN, halogen, CH2OR2, C(O)C(O)OR1, C(O)CO NR1R2, -(CH2)q-NR1R2 where q is 0 to 5, C=NOR2, 2(4,5-dihydro)oxazolyl, or COR10 where R10 is H, R1, NR1R2 or CF3; R4 is hydrogen, C1-C3 alkyl, cyclopropylmethyl, CF3, 2,2,2-trifluoroethyl, CN, CONR1R2, =O, 2(4,5-dihydro)imidazolyl, 2(4,5-dihydro)oxazolyl, 2-oxazolyl, 3-oxadiazolyl, or 3,3,3-trifluoropropyl; R5 is hydrogen, R 1, OCH3, C(O)CH3 or C(O)OR1; X is (a) a valence bond, (b) CH2, or (c) O, S or NR5 where R5 is H, C1-C8 alkyl, C3-C8 cycloalkyl, benzyl, COR6 where R6 is a C1-C3 alkyl, phenyl, or CONR7R8 where R7 and R8 are independently H or C1-C3 alkyl; and Z is a hydrogen or halogen; provided that when X is CH2, at least one of R3 and R4 is other than hydrogen or C1-C3 alkyl. The compounds of Formula I are suitable for treating disorders of the central nervous system, particularly as 5-HT1A receptor agonists.

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C07D 209/60; C07D 491/052; A61K 31/40

IPC 8 full level
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